

**SYSTEM, DEVICE AND METHOD FOR EXCITING
A SENSOR AND DETECTING ANALYTE**

ABSTRACT

A system for detecting analyte that includes a sensor adapted to detect the analyte,
5 the sensor including a polymer matrix, fluorophores and a membrane, an excitation source
to excite a fluorophore of the sensor, a first detector adapted to detect light of a first
wavelength emitted by the sensor, a second detector adapted to detect light of a second
wavelength emitted by the sensor, and a processor for processing signals corresponding to
light detected by the detectors.

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